Protein Ygbm (ygbM) Escherichia Coli Recombinant Protein

PRODUCT OVERVIEW

Product Name	Protein ygbM (ygbM), Recombinant Protein
Full Product Name	Recombinant Escherichia coli Protein ygbM (ygbM)
Product Gene Name	ygbM recombinant protein
Product Synonym Gene Name	ygbM
Sequence	MPRFAANLSM MFTEVPFIER FAAARKAGFD AVEFLFPYNY STLQIQKQLE QNHLTLALFN TAPGDINAGE WGLSALPGRE HEAHADIDLA LEYALALNCE QVHVMAGVVP AGEDAERYRA VFIDNIRYAA DRFAPHGKRI LVEALSPGVK PHYLFSSQYQ ALAIVEEVAR DNVFIQLDTF HAQKVDGNLT HLIRDYAGKY AHVQIAGLPD RHEPDDGEIN YPWLFRLFDE VGYQGWIGCE YKPRGLTEEG LGWFDAWR
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	29,217 Da
Sequence Positions	1-258, full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q46891
Species	Escherichia coli (strain K12)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ygbM recombinant protein	MBS1355562 is a recombinant protein targeting ygbM. Also known as Recombinant Escherichia coli Protein ygbM (ygbM). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ygbM recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ygbM. It may not necessarily be applicable to this product.

NCBI GI #	16130646
NCBI GeneID	947207
NCBI Accession #	NP_417219.1
UniProt Primary Accession #	Q46891
UniProt Secondary Accession #	Q2MA90

GenBank Nucleotide #	NC_000913.3
NCBI Official Full Name	putative hydroxypyruvate isomerase
NCBI Official Symbol	ygbM
NCBI Official Synonym Symbols	ECK2734; JW2709
UniProt Protein Name	2-oxo-tetronate isomerase
UniProt Synonym Protein Names	2-dehydrotetronate isomeraseCurated; Glyoxylate-induced protein YgbM
Protein Family	Putative hydroxypyruvate isomerase
UniProt Gene Name	otnI
NCBI Protein Information	putative hydroxypyruvate isomerase
NCBI Summary for ygbM	A crystal structure of YgbM is presented . [More information is available at EcoCyc: G7420].
UniProt Comments for ygbM	Catalyzes the isomerization of 2-oxo-tetronate to 3-oxo-tetronate.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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